

ABSTRACT OF THE DISCLOSURE

In a method of imaging an object, for dental purposes, comprises:

- a) projecting a striped pattern on to the object to be imaged,
- b) recording the projected striped pattern as a basic image (R_i) with a camera, steps a) and b) being carried out at a number of different positions of the phase relationship of the striped pattern, and
- c) computing an image of the object from the plurality of mutually out-of-phase basic camera images. Provision is made for suppression of periodic disturbances in that, in step c),
 - c₁) at least two groups of basic images ($R_1, R_2, \dots, R_n; R_2, R_3, \dots, R_{n+1}$) are formed from the basic camera images (R_1, \dots, R_m),
 - c₂) a phase related image (P_j) of the object to be imaged (20) is computed from each group of basic images ($R_1, R_2, \dots, R_n; R_2, R_3, \dots, R_{n+1}$),
 - c₃) the computed phase related images (P_1, P_2) are averaged such that a phase related image (P) having a reduced amount of noise is formed, and that
 - c₄) an image of the object is computed from the phase related image (P) having a reduced amount of noise.